YNK-DBR No.....
Date.....

Original / Duplicate / Triplicate

# CONTRACT CERTIFICATE

AEE, YSTSD
SBR No: SBR No 05/23-24
Date: 21/4/2023

No. Third and Part bill (For Other Works) Date...13.04.2023.....
Division : Yelahanka Division Sub-Division : Yelahanka Sub Division
Estimate Cost (Rs.) :- 2135.00 Lakhs

Bill Received No .....Dated.....13/04/2023 Cash Book Voucher No.....dated.....
Scheduled Docket No: Head of Account : P- 3877 D.R. No:

Name of Work (as per sanctioned estimate):- Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants (PACKAGE No-03)

Job Code: 003-23-000004
Name of Contractor and Full Address: **Sri.K.Venkataraju,**
Reference to Agreement No /Wo No: BBMP/EE/YNK.D/EPMT-06/AG/31/2022-23

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Certified that the measurements were taken by me on 13/04/2023 and recorded of Pages No 585738-to 585751
Of measurement Book No : 5858 and that the work is satisfactorily executed.

**Signature of Contractor** **Officer-in-charge of work**

Certified that the measurements were taken by me on 13.04.23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Sub Division Officer
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3rd part Bill

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....-
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

| | |
|---|---|
| Bill Amount | 71697028=00 |
| (+) GST | 12905465=00 |
| TOTAL | 84602493=00 |
| Less : I.Tax | 846025=00 |
| SGST | 716970=00 |
| CGST | 716970=00 |
| BCWWC | 846025=00 |
| CBF | 84602=00 |
| ROYALTY | 495500=00 |
| FINE | |
| FSD | |
| OTHERS | |
| TOTAL DEDUCTION | 3706092=00 |
| NET PAY | 80896401=00 |

Contractor's Signature

Received Rs... .....(in works)
.....

By Cash and by adjustment of Payment as per memorandum.
Witnesses:
1.
2.

(For use in the Office)

Dated..... **Signature of Contractor**

Audited & Admitted For Rs. 84602493=00
By Ch Rs: 80896401=00 (In Words).....

Paid by me by cheque No..... Dated.....
Cash Rs..... Dated.....And by Adjustment For Rs. 3706092=00
Initials of Officer Making Payment

Executive Engineer

Account Student

Exe Engineer
B.B.M.P Bangalore

**Name of work:-Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)**

## ABSTRACT

| | |
|---|---|
| Work order No :- | BBMP/EE/YNK.D/EPMT-06/AG/31/2022-23 Date:- |
| Estimate Cost :- | 2135.00 Lakhs |

| Sl. No | Description of work | Unit | Aproved Schedule B | | | Previous bill | | Present Bill | | | Total Upto date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
| 1 | Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate) | Sqm | 7946.83 | 259.93 | 2065646.00 | 5942.79 | 1544729.51 | 2004.04 | 259.93 | 520916.00 | 7946.83 | 2065645.10 |
| | Above 125% | Sqm | 1139.77 | 259.93 | 296265.00 | | | 1139.77 | 259.93 | 296265.00 | 1139.77 | 296264.27 |
| 2 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or | Cum | 12902.39 | 336.25 | 4338484.00 | 5711.01 | 1920350.87 | 2893.92 | 336.25 | 973093.00 | 8604.93 | 2893443.42 |
| 3 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other | Cum | 1911.91 | 6362.29 | 12164126.00 | 852.06 | 5421065.54 | 289.22 | 6362.29 | 1840120.00 | 1141.28 | 7261185.44 |
| 4 | KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per | Tonne | 138.66 | 114292.20 | 15847757.00 | 71.45 | 8165837.55 | 19.16 | 114292.20 | 2189856.00 | 90.61 | 10355693.48 |
| 5 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes | Cum | 2227.93 | 7265.75 | 16187575.00 | 1111.13 | 8073157.91 | 310.54 | 7265.75 | 2256298.00 | 1421.66 | 10329455.53 |
| 6 | Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, | Sqm | 7431.83 | 2083.49 | 15484138.00 | 3776.76 | 7868838.82 | 1444.25 | 2083.49 | 3009069.00 | 5221.01 | 10877907.74 |
| 7 | Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and | Sqm | 414.30 | 5064.93 | 2098401.00 | 106.92 | 541542.32 | 55.44 | 5064.93 | 280800.00 | 162.36 | 822342.03 |
| 8 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates | Cum | 230.72 | 6554.75 | 1512311.00 | 60.79 | 398462.99 | 8.20 | 6554.75 | 53723.00 | 68.99 | 452185.68 |

| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation | Nos | 17472.00 | 509.81 | 8907424.00 | 7001.56 | 3569472.24 | 592.00 | 509.81 | 301809.00 | 7593.56 | 3871280.54 |
| 10 | Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces | Sqm | 4037.60 | 94.02 | 379609.00 | 0.00 | 0.00 | 0.00 | 94.02 | 0.00 | 0.00 | 0.00 |
| 11 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift | Cum | 9691.93 | 71.90 | 696816.00 | 2282.22 | 164083.66 | 7409.71 | 71.90 | 532732.00 | 9691.93 | 696815.28 |
| 12 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 . | Cum | 4350.16 | 2596.02 | 11293071.00 | 1425.31 | 3700117.80 | 2924.85 | 2596.02 | 7592954.00 | 4350.16 | 11293070.90 |
| 13 | Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density | Cum | 6239.04 | 2648.00 | 16520993.00 | 1969.28 | 5214665.72 | 4269.76 | 2648.00 | 11306327.00 | 6239.04 | 16520992.66 |
| 14 | Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. | Sqm | 31872.27 | 48.67 | 1551172.00 | 8549.69 | 416099.30 | 18518.26 | 48.67 | 901254.00 | 27067.95 | 1317353.10 |
| 15 | Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom. | Sqm | 76766.61 | 13.27 | 1018939.00 | 23606.94 | 313339.53 | 33238.29 | 13.27 | 441179.00 | 56845.23 | 754517.80 |
| 16 | Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled | Cum | 2041.07 | 10938.22 | 22325669.00 | 442.52 | 4840325.52 | 1383.20 | 10938.22 | 15129756.00 | 1825.72 | 19970080.90 |
| 17 | Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled | Cum | 2501.23 | 12754.44 | 31901788.00 | 982.70 | 12533848.13 | 1329.53 | 12754.44 | 16957432.00 | 2312.24 | 29491279.15 |
| 18 | Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm | Sqm | 2411.70 | 528.72 | 1275104.00 | 1061.58 | 561273.87 | 1273.88 | 528.72 | 673521.00 | 2335.46 | 1234794.04 |
| 19 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel | Cum | 398.48 | 466.77 | 186001.00 | 0.00 | 0.00 | 60.25 | 466.77 | 28122.00 | 60.25 | 28121.97 |

| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances | Cum | 477.78 | 5503.95 | 2629678.00 | 0.00 | 0.00 | 36.15 | 5503.95 | 198960.00 | 36.15 | 198959.58 |
| 21 | Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including | Cum | 477.78 | 7562.41 | 3613169.00 | 0.00 | 0.00 | 36.15 | 7562.41 | 273370.00 | 36.15 | 273369.78 |
| 22 | Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby | Sqm | 5044.85 | 1202.33 | 6065576.00 | 1262.81 | 1518308.53 | 904.99 | 1202.33 | 1088100.00 | 2167.80 | 2606408.43 |
| 23 | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km | t.Km | 27704.65 | 106.19 | 2941834.00 | 10891.03 | 1156469.67 | 13315.16 | 106.19 | 1413878.00 | 24206.19 | 2570347.12 |
| 24 | Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other | Cum | 350.33 | 353.95 | 124000.00 | 252.76 | 89465.04 | | 353.95 | 0.00 | 252.76 | 89465.04 |
| 25 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal | Cum | 104.01 | 7647.02 | 795386.00 | 42.31 | 323528.39 | 61.70 | 7647.02 | 471858.00 | 104.01 | 795385.55 |
| | **Above 125%** | Cum | 19.68 | 7647.02 | 150520.00 | | | 19.68 | 7647.02 | 150520.00 | 19.68 | 150519.56 |
| 26 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , | Cum | 70.46 | 7873.33 | 554755.00 | 9.88 | 77756.98 | 2.08 | 7873.33 | 16369.00 | 11.96 | 94125.62 |
| 27 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand) | Cum | 123.31 | 5997.27 | 739524.00 | 101.68 | 609778.58 | | 5997.27 | 0.00 | 101.68 | 609778.58 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
| 28 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m | Cum | 480.90 | 225.64 | 108513.00 | 316.60 | 71438.08 | | 225.64 | 0.00 | 316.60 | 71438.08 |
| 29 | Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, | Kgs | 16974.33 | 117.25 | 1990182.00 | 5071.88 | 594660.59 | 5360.09 | 117.25 | 628452.00 | 10431.97 | 1223112.36 |
| 30 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost | Sqm | 557.06 | 1329.53 | 740629.00 | 238.79 | 317484.17 | 120.28 | 1329.53 | 159911.00 | 359.07 | 477394.91 |
| 31 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including | Sqm | 30.56 | 1046.37 | 31980.00 | 23.94 | 25050.10 | 6.62 | 1046.37 | 6930.00 | 30.56 | 31979.69 |
| | **Above 125%** | Sqm | 97.86 | 1046.37 | 102396.00 | | | 97.86 | 1046.37 | 102396.00 | 97.86 | 102395.16 |
| 32 | Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of | Sqm | 354.81 | 824.04 | 292382.00 | 0.00 | 0.00 | 354.81 | 824.04 | 292382.00 | 354.81 | 292381.16 |
| | **Above 125%** | Sqm | 35.29 | 824.04 | 29079.00 | | | 35.29 | 824.04 | 29079.00 | 35.29 | 29078.46 |
| 33 | Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. | Sqm | 6.08 | 99983.69 | 607401.00 | 0.00 | 0.00 | 6.08 | 99983.69 | 607401.00 | 6.08 | 607400.92 |
| | **Above 125%** | Sqm | 2.57 | 99983.69 | 256459.00 | | | 2.57 | 99983.69 | 256459.00 | 2.57 | 256458.16 |
| 34 | Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. | Nos | 8.75 | 1642.56 | 14373.00 | 0.00 | 0.00 | 8.75 | 1642.56 | 14373.00 | 8.75 | 14372.38 |
| | **Above 125%** | Nos | 6.25 | 1642.56 | 10266.00 | | | 6.25 | 1642.56 | 10266.00 | 6.25 | 10265.99 |
| 35 | Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. 30 mm thick both side commercial | Sqm | 98.28 | 2917.89 | 286771.00 | 0.00 | 0.00 | 0.00 | 2917.89 | 0.00 | 0.00 | 0.00 |

| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized iron profile through-out the window frame. The outer frame having an overall size of 44mm width x 40mmheight with reinforcement of | Sqm | 25.20 | 4550.50 | 114673.00 | 0.00 | 0.00 | 0.00 | 4550.50 | 0.00 | 0.00 | 0.00 |
| 37 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding | Sqm | 529.20 | 144.90 | 76681.00 | 0.00 | 0.00 | 378.00 | 144.90 | 54772.00 | 378.00 | 54771.84 |
| 38 | Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces | Sqm | 9.45 | 4048.33 | 38257.00 | 0.00 | 0.00 | 0.00 | 4048.33 | 0.00 | 0.00 | 0.00 |
| 39 | Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge | Sqm | 964.63 | 279.84 | 269944.00 | 0.00 | 0.00 | 964.63 | 279.84 | 269944.00 | 964.63 | 269943.72 |
| | **Above 125%** | Sqm | 23.63 | 279.84 | 6613.00 | | | 23.63 | 279.84 | 6613.00 | 23.63 | 6612.13 |
| 40 | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 765.22 | 339.57 | 259848.00 | 0.00 | 0.00 | 274.48 | 339.57 | 93206.00 | 274.48 | 93205.87 |
| 41 | Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications. | Sqm | 228.09 | 2655.75 | 605751.00 | 0.00 | 0.00 | 0.00 | 2655.75 | 0.00 | 0.00 | 0.00 |
| 42 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete | Sqm | 38.27 | 855.02 | 32722.00 | 0.00 | 0.00 | 0.00 | 855.02 | 0.00 | 0.00 | 0.00 |
| 43 | Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. | Sqm | 61.65 | 2171.27 | 133860.00 | 0.00 | 0.00 | 0.00 | 2171.27 | 0.00 | 0.00 | 0.00 |
| 44 | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per | Sqm | 755.06 | 105.08 | 79342.00 | 0.00 | 0.00 | 0.00 | 105.08 | 0.00 | 0.00 | 0.00 |

| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 765.22 | 21.02 | 16082.00 | 0.00 | 0.00 | 0.00 | 21.02 | 0.00 | 0.00 | 0.00 |
| 46 | Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m$^2$ over and including priming coat of exterior primer applied @ 2.20 kg/10 m$^2$) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 765.22 | 150.43 | 115112.00 | 0.00 | 0.00 | 0.00 | 150.43 | 0.00 | 0.00 | 0.00 |
| 47 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 25.20 | 143.79 | 3624.00 | 0.00 | 0.00 | 0.00 | 143.79 | 0.00 | 0.00 | 0.00 |
| 48 | Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. Complete | Nos | 14.00 | 193.57 | 2710.00 | 0.00 | 0.00 | 0.00 | 193.57 | 0.00 | 0.00 | 0.00 |
| 49 | Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc.125x65x2.12mm | Nos | 24.00 | 42.03 | 1009.00 | 0.00 | 0.00 | 0.00 | 42.03 | 0.00 | 0.00 | 0.00 |
| 50 | Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10mm | Nos | 8.00 | 372.76 | 2983.00 | 0.00 | 0.00 | 0.00 | 372.76 | 0.00 | 0.00 | 0.00 |
| 51 | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting | Nos | 6.00 | 5536.03 | 33217.00 | 0.00 | 0.00 | 0.00 | 5536.03 | 0.00 | 0.00 | 0.00 |
| 52 | Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of | Nos | 4.00 | 5136.73 | 20547.00 | 0.00 | 0.00 | 0.00 | 5136.73 | 0.00 | 0.00 | 0.00 |
| 53 | Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting | Nos | 2.00 | 7331.23 | 14663.00 | 0.00 | 0.00 | 0.00 | 7331.23 | 0.00 | 0.00 | 0.00 |
| 54 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing | m | 45.00 | 412.58 | 18566.00 | 0.00 | 0.00 | 45.00 | 412.58 | 18566.00 | 45.00 | 18565.88 |
| 55 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia | m | 60.00 | 526.50 | 31591.00 | 0.00 | 0.00 | 60.00 | 526.50 | 31591.00 | 60.00 | 31590.20 |

| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing | m | 30.00 | 614.99 | 18450.00 | 0.00 | 0.00 | 30.00 | 614.99 | 18450.00 | 30.00 | 18449.74 |
| 57 | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of | M | 45.00 | 396.18 | 17829.00 | 0.00 | 0.00 | 0.00 | 396.18 | 0.00 | 0.00 | 0.00 |
| 58 | Providing and fixing gun metal non- return valve of approved quality (screwed end)(V-II Page No.115, Item No.13.6.1.2 of PWD SR 2021-22) | Nos | 6.00 | 611.67 | 3671.00 | 0.00 | 0.00 | 0.00 | 611.67 | 0.00 | 0.00 | 0.00 |
| 59 | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete(V-II Page No.115, Item No.13.5.2 of PWD SR 2021-22) | Each | 4.00 | 398.20 | 1593.00 | 0.00 | 0.00 | 0.00 | 398.20 | 0.00 | 0.00 | 0.00 |
| 60 | Providing and fixing PTMT pillar cock of approved quality and colour15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms(V-II Page No.118, Item No.13.20.2 of PWD SR 2021-22) | Each | 6.00 | 243.34 | 1461.00 | 0.00 | 0.00 | 0.00 | 243.34 | 0.00 | 0.00 | 0.00 |
| 61 | Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms (V-II Page No.129, Item No.14.37.2 of PWD SR 2021-22) | Each | 6.00 | 269.89 | 1620.00 | 0.00 | 0.00 | 0.00 | 269.89 | 0.00 | 0.00 | 0.00 |
| 62 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be coured using PVC end enclosures, run with 18SWG GI fish w/re | m | 100.00 | 61.34 | 6134.00 | 0.00 | 0.00 | 100.00 | 61.34 | 6134.00 | 100.00 | 6133.82 |
| 63 | Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges ofmachinery complete as | Kg | 577.50 | 147.11 | 84957.00 | 0.00 | 0.00 | 577.50 | 147.11 | 84957.00 | 577.50 | 84956.74 |
| | **Above 125%** | Kg | 332.75 | 147.11 | 48952.00 | | | 332.75 | 147.11 | 48952.00 | 332.75 | 48951.26 |
| 64 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods | m | 100.00 | 70.39 | 7039.00 | 0.00 | 0.00 | 100.00 | 70.39 | 7039.00 | 100.00 | 7038.82 |
| 65 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick(Page No.1, Item No.1.3.1 of PWD Electrical SR 2021-22) | m | 100.00 | 75.42 | 7542.00 | 0.00 | 0.00 | 100.00 | 75.42 | 7542.00 | 100.00 | 7541.59 |

| | | Unit | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick (Page | m | 100.00 | 80.44 | 8045.00 | 0.00 | 0.00 | 100.00 | 80.44 | 8045.00 | 100.00 | 8044.36 |
| 67 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick (Page | m | 12.50 | 105.58 | 1320.00 | 0.00 | 0.00 | 12.50 | 105.58 | 1320.00 | 12.50 | 1319.78 |
| | **Above 125%** | m | 87.50 | 105.58 | 9239.00 | | | 87.50 | 105.58 | 9239.00 | 87.50 | 9238.44 |
| 68 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of Group-A (Page No.3, Item No.2.3 of PWD Electrical SR 2021-22). 1.0 Sqm | m | 200.00 | 18.10 | 3620.00 | 0.00 | 0.00 | 200.00 | 18.10 | 3620.00 | 200.00 | 3619.96 |
| 69 | 1.5 Sqm | m | 100.00 | 26.14 | 2615.00 | 0.00 | 0.00 | 100.00 | 26.14 | 2615.00 | 100.00 | 2614.42 |
| 70 | 2.5 Sqm | m | 170.00 | 40.22 | 6838.00 | 0.00 | 0.00 | 170.00 | 40.22 | 6838.00 | 170.00 | 6837.71 |
| 71 | 4.0 Sqm | m | 90.00 | 59.33 | 5340.00 | 0.00 | 0.00 | 90.00 | 59.33 | 5340.00 | 90.00 | 5339.44 |
| 72 | 10.0 Sqm | m | 40.00 | 157.87 | 6315.00 | 0.00 | 0.00 | 40.00 | 157.87 | 6315.00 | 40.00 | 6314.82 |
| 73 | Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3) Using class A materials (Page No.3, Item No.2.2 of PWD Electrical SR 2021-22). Short point up to 3mtrs from tapping point to out let via switch (Page No.3, Item No.2.2.1 of PWD | Point | 36.00 | 252.39 | 9087.00 | 0.00 | 0.00 | 0.00 | 252.39 | 0.00 | 0.00 | 0.00 |
| 74 | Medium point a above 3mtr up to 6mtr from tapping point to out let via switch (Page No.3, Item No.2.2.2 of PWD Electrical SR 2021-22) | Point | 36.00 | 363.00 | 13069.00 | 0.00 | 0.00 | 0.00 | 363.00 | 0.00 | 0.00 | 0.00 |
| 75 | Long point a above 6mtr up to 10mtr from tapping point to out let via switch (Page No.3, Item No.2.2.3 of PWD Electrical SR 2021-22) | Point | 24.00 | 545.01 | 13081.00 | 0.00 | 0.00 | 0.00 | 545.01 | 0.00 | 0.00 | 0.00 |
| 76 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP (Page | Each | 15.00 | 525.90 | 7889.00 | 0.00 | 0.00 | 0.00 | 525.90 | 0.00 | 0.00 | 0.00 |
| 77 | 6-32 Amps DP | Each | 15.00 | 1109.12 | 16637.00 | 0.00 | 0.00 | 0.00 | 1109.12 | 0.00 | 0.00 | 0.00 |
| 78 | 40 Amps TPN | Each | 8.00 | 2406.27 | 19251.00 | 0.00 | 0.00 | 0.00 | 2406.27 | 0.00 | 0.00 | 0.00 |
| 79 | 50-63 Amps SP | Each | 8.00 | 738.07 | 5905.00 | 0.00 | 0.00 | 0.00 | 738.07 | 0.00 | 0.00 | 0.00 |
| 80 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N (Page No.13, Item No.5.18.4 of PWD Electrical SR 2021-22) | Each | 10.00 | 1599.82 | 15999.00 | 0.00 | 0.00 | 0.00 | 1599.82 | 0.00 | 0.00 | 0.00 |
| 81 | Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A) (Page No.13, Item No.5.18.12 of PWD Electrical SR 2021-22) | Each | 5.00 | 3755.71 | 18779.00 | 0.00 | 0.00 | 0.00 | 3755.71 | 0.00 | 0.00 | 0.00 |

| | | Unit | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
| 82 | Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box. (Page No.6, Item No.3.7 of PWD Electrical SR 2021-22) | Each | 5.00 | 751.14 | 3756.00 | 0.00 | 0.00 | 0.00 | 751.14 | 0.00 | 0.00 | 0.00 |
| 83 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way (Page No.5, Item No.3.4.1 of PWD Electrical SR 2021-22) | Each | 25.00 | 123.68 | 3093.00 | 0.00 | 0.00 | 0.00 | 123.68 | 0.00 | 0.00 | 0.00 |
| 84 | Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated | Each | 20.00 | 301.66 | 6034.00 | 0.00 | 0.00 | 0.00 | 301.66 | 0.00 | 0.00 | 0.00 |
| 85 | Supply and fixing metal fan box with round hook (Page No.2, Item No.1.12 of PWD Electrical SR 2021-22) | Nos | 12.00 | 163.90 | 1967.00 | 0.00 | 0.00 | 0.00 | 163.90 | 0.00 | 0.00 | 0.00 |
| 86 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.(Page No.5, Item No.3.6 of PWD Electrical SR 2021-22).6Amps SP Switch | Each | 50.00 | 88.49 | 4425.00 | 0.00 | 0.00 | 0.00 | 88.49 | 0.00 | 0.00 | 0.00 |
| 87 | 6Amps 3way 5 pin socket | Each | 20.00 | 162.90 | 3258.00 | 0.00 | 0.00 | 0.00 | 162.90 | 0.00 | 0.00 | 0.00 |
| 88 | 16Amps SP Switch | Each | 10.00 | 250.38 | 2504.00 | 0.00 | 0.00 | 0.00 | 250.38 | 0.00 | 0.00 | 0.00 |
| 89 | 32Amps Flush/projected types DP switch | Each | 10.00 | 377.08 | 3771.00 | 0.00 | 0.00 | 0.00 | 377.08 | 0.00 | 0.00 | 0.00 |
| 90 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (Page No.5, | Each | 20.00 | 123.68 | 2474.00 | 0.00 | 0.00 | 0.00 | 123.68 | 0.00 | 0.00 | 0.00 |
| 91 | 4-5Way | Each | 20.00 | 138.77 | 2776.00 | 0.00 | 0.00 | 0.00 | 138.77 | 0.00 | 0.00 | 0.00 |
| 92 | 6Way | Each | 20.00 | 213.18 | 4264.00 | 0.00 | 0.00 | 0.00 | 213.18 | 0.00 | 0.00 | 0.00 |
| 93 | 8Way | Each | 24.00 | 251.39 | 6034.00 | 0.00 | 0.00 | 0.00 | 251.39 | 0.00 | 0.00 | 0.00 |
| 94 | 10-12Way | Each | 16.00 | 326.80 | 5229.00 | 0.00 | 0.00 | 0.00 | 326.80 | 0.00 | 0.00 | 0.00 |
| 95 | 16Way | Each | 4.00 | 355.96 | 1424.00 | 0.00 | 0.00 | 0.00 | 355.96 | 0.00 | 0.00 | 0.00 |
| 96 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Page No.5, Item No.3.5 of PWD Electrical SR 2021-22). 1 to 3 Module | Each | 20.00 | 152.84 | 3057.00 | 0.00 | 0.00 | 0.00 | 152.84 | 0.00 | 0.00 | 0.00 |
| 97 | 4Moudule | Each | 20.00 | 175.97 | 3520.00 | 0.00 | 0.00 | 0.00 | 175.97 | 0.00 | 0.00 | 0.00 |
| 98 | 6Moudule | Each | 20.00 | 245.35 | 4908.00 | 0.00 | 0.00 | 0.00 | 245.35 | 0.00 | 0.00 | 0.00 |
| 99 | 8Moudule | Each | 24.00 | 303.67 | 7289.00 | 0.00 | 0.00 | 0.00 | 303.67 | 0.00 | 0.00 | 0.00 |
| 100 | 10Moudule | Each | 16.00 | 365.01 | 5841.00 | 0.00 | 0.00 | 0.00 | 365.01 | 0.00 | 0.00 | 0.00 |
| 101 | 12Moudule | Each | 4.00 | 405.23 | 1621.00 | 0.00 | 0.00 | 0.00 | 405.23 | 0.00 | 0.00 | 0.00 |
| 102 | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing | Each | 10.00 | 2182.03 | 21821.00 | 0.00 | 0.00 | 0.00 | 2182.03 | 0.00 | 0.00 | 0.00 |
| 103 | Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life | Each | 10.00 | 729.02 | 7291.00 | 0.00 | 0.00 | 0.00 | 729.02 | 0.00 | 0.00 | 0.00 |
| 104 | Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders (Page No.45, Item No.13.7.1 of PWD Electrical SR 2021-22) | Each | 30.00 | 119.66 | 3590.00 | 0.00 | 0.00 | 0.00 | 119.66 | 0.00 | 0.00 | 0.00 |

| | Description of work | Unit | Qty | Rate | Cost | Qty | Cost | Qty | Rate | Cost | Qty | Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner orSchlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal | Nos | 1.00 | 5686.46 | 5687.00 | 0.00 | 0.00 | 0.00 | 5686.46 | 0.00 | 0.00 | 0.00 |
| 106 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete | m | 50.00 | 320.77 | 16039.00 | 0.00 | 0.00 | 0.00 | 320.77 | 0.00 | 0.00 | 0.00 |
| 107 | 50 to 100 m (Code No-0010B) | m | 50.00 | 402.62 | 20132.00 | 0.00 | 0.00 | 0.00 | 402.62 | 0.00 | 0.00 | 0.00 |
| 108 | 100 to 150 m (Code No-0010C) | m | 50.00 | 428.06 | 21404.00 | 0.00 | 0.00 | 0.00 | 428.06 | 0.00 | 0.00 | 0.00 |
| 109 | 150 to 200 m (Code No-0010D) | m | 50.00 | 496.64 | 24832.00 | 0.00 | 0.00 | 0.00 | 496.64 | 0.00 | 0.00 | 0.00 |
| 110 | 200 to 250 m (Code No-0010E) | m | 50.00 | 582.91 | 29146.00 | 0.00 | 0.00 | 0.00 | 582.91 | 0.00 | 0.00 | 0.00 |
| 111 | 250 to 300 m (Code No-0010F) | m | 50.00 | 617.20 | 30861.00 | 0.00 | 0.00 | 0.00 | 617.20 | 0.00 | 0.00 | 0.00 |
| 112 | 300 to 350 m (Code No-0010G) | m | 50.00 | 685.78 | 34290.00 | 0.00 | 0.00 | 0.00 | 685.78 | 0.00 | 0.00 | 0.00 |
| 113 | Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty | Rmtr | 60.00 | 2138.09 | 128286.00 | 0.00 | 0.00 | 0.00 | 2138.09 | 0.00 | 0.00 | 0.00 |
| 114 | Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm (P. No.162, I. No. 33.1 BWSSB SR 2021-22) | Each | 24.00 | 3373.60 | 80967.00 | 0.00 | 0.00 | 0.00 | 3373.60 | 0.00 | 0.00 | 0.00 |
| 115 | PVC pipe - OD 250mm and 6 Kg/sqcm | Rmtr | 6.00 | 1216.71 | 7301.00 | 0.00 | 0.00 | 0.00 | 1216.71 | 0.00 | 0.00 | 0.00 |
| 116 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC | Mtr | 620.00 | 243.34 | 150872.00 | 0.00 | 0.00 | 0.00 | 243.34 | 0.00 | 0.00 | 0.00 |
| 117 | Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00"( | Nos | 1.00 | 76606.27 | 76607.00 | 0.00 | 0.00 | 0.00 | 76606.27 | 0.00 | 0.00 | 0.00 |
| 118 | Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause | job | 1.00 | 4147.87 | 4148.00 | 0.00 | 0.00 | 0.00 | 4147.87 | 0.00 | 0.00 | 0.00 |
| 119 | Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20" x 20" x 2.5" (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22) | Each | 1.00 | 316.75 | 317.00 | 0.00 | 0.00 | 0.00 | 316.75 | 0.00 | 0.00 | 0.00 |

| | Description of work | Unit | Approved Schedule B | | | Previous bill | | Present bill | | | Total Upto date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Cost | Qty | Cost | Qty. | Rate | Cost | Qty. | Cost |
| 120 | Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22) | Each | 1.00 | 374.06 | 375.00 | 0.00 | 0.00 | 0.00 | 374.06 | 0.00 | 0.00 | 0.00 |
| 121 | Supplying & fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50-63 A TPN | Each | 1.00 | 2412.30 | 2413.00 | 0.00 | 0.00 | 0.00 | 2412.30 | 0.00 | 0.00 | 0.00 |
| 122 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required | Cum | 180.00 | 205.73 | 37033.00 | 0.00 | 0.00 | 0.00 | 205.73 | 0.00 | 0.00 | 0.00 |
| 123 | Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. | Cum | 36.00 | 2407.98 | 86688.00 | 0.00 | 0.00 | 0.00 | 2407.98 | 0.00 | 0.00 | 0.00 |
| 124 | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and | Mtr | 400.00 | 169.30 | 67720.00 | 0.00 | 0.00 | 0.00 | 169.30 | 0.00 | 0.00 | 0.00 |
| 125 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications | Cum | 120.00 | 135.02 | 16203.00 | 0.00 | 0.00 | 0.00 | 135.02 | 0.00 | 0.00 | 0.00 |
| 126 | Supplying fully automatic star-delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP | Nos | 1.00 | 8687.20 | 8688.00 | 0.00 | 0.00 | 0.00 | 8687.20 | 0.00 | 0.00 | 0.00 |
| | | | | SUB TOTAL | | | 70031151.42 | | SUB TOTAL | 71697028.00 | | 141728179.42 |
| | | | | GST 12% | | | 12605607.26 | | GST 18% | 12905465.04 | | 25511072.00 |
| | | | | GRAND TOTAL | | | 82636758.67 | | GRAND TOTAL | 84602493.04 | | 167239251.42 |

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

Contractor

Assistant Engineer
Yelahanka Division

TECH INFRA SOLUTIONS PVT. LTD. Bangalore 560 056

Project Management Consultants

Executive Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ.
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